

## INFORMATION DISCLOSURE STATEMENT

Applicant: Cordemans de Meulenaer, et al.

App. No : 10/533,679

Filed : May 3, 2005

For : DEVICE AND PROCESS FOR  
TREATING A LIQUID MEDIUM  
USING ULTRASOUND

Examiner : Unassigned

Art Unit : Unassigned

## CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

October 11, 2005

(Date)

Thomas R. Arno, Reg. No. 40,490

## Mail Stop Amendment

Commissioner for Patents

P.O. Box 1450, Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing seventy-one (71) references to be considered by the Examiner. Also enclosed are twenty-five (25) foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement. Also enclosed is a courtesy copy of International Search Report PCT/US04/21664 dated November 8, 2004 in two pages and a courtesy copy of International Search Report PCT/US03/35029 dated March 26, 2004 in two pages.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required. If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON &amp; BEAR, LLP

Dated: 10/11/05

By:

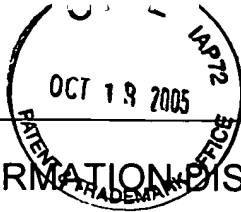
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/533,679
	Filing Date	May 3, 2005
	First Named Inventor	Eric D. Cordemans de Meulenaer
	Art Unit	Unassigned
(Multiple sheets used when necessary)	Examiner	Unassigned
SHEET 1 OF 4	Attorney Docket No.	ASHL.001NP

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	2003/132165	07/17/2003	de Meulenaer, et al.	
	2	2001/002251	05/31/2001	Woodburn, et al.	
	3	2,717,874	09/1955	Verain	
	4	3,634,243	01/11/1972	Wessels, et al.	
	5	3,672,823	06/27/1972	Boucher	
	6	4,003,832	01/18/1977	Henderson et al.	
	7	4,076,617	02/18/1978	Bybel et al.	
	8	4,144,722	03/20/1979	Mattwell	
	9	4,294,853	10/13/1981	Williams et al.	
	10	4,514,149	04/30/1985	Kanebako et al.	
	11	4,605,507	08/12/1996	Windgassen et al.	
	12	4,879,045	11/07/1998	Eggerichs	
	13	4,961,860	10/09/1990	Masri	
	14	4,971,991	11/20/1990	Umemura et al.	
	15	4,975,109	12/04/1990	Friedman, Jr. et al.	
	16	5,130,031	07/14/1992	Johnston	
	17	5,130,032	07/14/1992	Sartori	
	18	5,145,981	09/08/1992	Willingham	
	19	5,198,122	03/30/1993	Koszalka et al.	
	20	5,215,680	06/01/1993	D'Arrigo	
	21	5,224,051	06/29/1993	Johnson	
	22	5,256,182	10/26/1993	Friedman, Jr. et al.	
	23	5,380,411	01/10/1995	Shlief	
	24	5,401,237	03/28/1995	Tachibana, et al.	
	25	5,416,210	05/16/1995	Sherba et al.	
	26	5,534,172	07/09/1996	Perry et al.	
	27	5,558,092	09/24/1996	Unger et al.	
	28	5,593,596	01/14/1997	Bratten	
	29	5,616,544	04/01/1997	Kalota et al.	

Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.

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	30	5,827,204	10/27/1998	Grandia et al.	
	31	6,068,857	05/30/2000	Weitschies et al.	
	32	6,221,814	04/24/2001	Kaburagi et al.	
	33	6,242,391	06/05/2001	Fukutani et al.	
	34	6,258,759	07/10/2001	Futahashi et al.	
	35	6,308,714	10/30/2001	Peterson et al.	
	36	6,309,355	10/30/2001	Cain et al.	
	37	6,322,749	11/27/2001	McCarthy et al.	
	38	6,342,522	01/29/2002	Mason et al.	
	39	6,413,216	07/02/2002	Cain et al.	
	40	6,428,532	08/06/2002	Doukas et al.	
	41	6,450,738	09/17/2002	Ripley	
	42	6,447,720	09/10/2002	Horton, et al.	
	43	6,518,225	02/11/2003	Fukutani et al.	
	44	6,540,922	04/01/2003	Cordemans et al.	
	45	6,770,248	08/03/2004	Haggett, et al.	
	46	6,736,979	5/18/2004	Cordemans et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	47	DE 44 07 564	09/14/1995	Gradl		
	48	DE 44 30 587	02/22/1996	Schulz		
	49	EP 0 515 346	02/28/1996	Delforge		Abstract Only
	50	EP 0 577 871	01/12/1994	Sartori		
	51	EP 0 633 049	09/01/1995	Trampller, et al.		
	52	EP 0 661 090	06/03/1998	Kawakami, et al.		
	53	EP 0 680 779	11/08/1995	Race, et al.		

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	54	JP 5-8128113	07/30/1983	Hajime, et al.		Abstract Only
	55	JP 5-228480	09/07/1993	Akio, et al.		Abstract Only
	56	JP 5-228481	09/07/1993	Akio, et al.		Abstract Only
	57	JP 5-228496	09/07/1993	Koji, et al.		Abstract Only
	58	JP 5-345192	12/27/1993	Satoru, et al.		Abstract Only
	59	JP 7-155756	06/20/1995	Yasuji, et al.		Abstract Only
	60	WO 80/00226	02/21/1980	Rabbitt, et al.		
	61	WO 93/13674	07/22/1993	Klaus, et al.		Abstract Only
	62	WO 98/01394	01/15/1998	Lepeltier, et al.		Abstract Only
	63	WO 04/041314	05/21/2004	Cordemans De Meulenaer, et al.		
	64	WO 05/005322	01/20/2005	Hannecart, et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	65	Böhm et al., "Viability of plant cell suspensions exposed to homogeneous ultrasonic fields of different energy density and wave type," Ultrasonics, vol. 38, pp. 629-632 (2000).	
	66	Miller, Douglas L., "Effects of a High-Amplitude 1-MHz Standing Ultrasonic Field on the Algae Hydrodictyon," IEEE Transaction on Ultrasonics, Ferroelectrics, and Frequency Control, vol. UFFC-33, no. 2, pp. 165-170, March (1986).	
	67	Pétrier et al., "Sonochemical Degradation of Phenol in Dilute Aqueous Solutions: Comparison of the Reaction Rates at 20 and 487 kHz," J. Phys. Chem. vol. 98, no. 41, pp. 10514-10520 (1994).	
	68	Umemura et al., "Sonodynamic treatment by inducing microbubble reaction," J.E.M.U. vol. 19, no. 2/3, pp. 266-270 (1998).	
	69	Umemura, et al., "Mechanism of Cell Damage by Ultrasound in Combination with Hematoporphyrin," Jpn. J. Cancer Res., vol. 81, pp. 962-966, (September 1990).	

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	70	Vollmer, et al., "Bacterial stress responses to 1-Megahertz pulsed ultrasound in the presence of microbubbles," Applied and Environmental Microbiology, pp. 3927-3931, (October 1998).	
	71	Yu et al., "A review of research into the uses of low level ultrasound in cancer therapy," Ultrasonics Sonochemistry, vol. 11, pp. 95-103 (2004)	

1835402/cfn/072705

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